Walter Wu

New York | (917) 392-6547 | walter@itswalterwu.com
itswalterwu.com | github.com/walter090 | linkedin.com/in/walter090

EDUCATION

Stony Brook University, Stony Brook, NY Sep 2012 - Aug 2017
- Bachelor of Science in Computer Science
- Bachelor of Science in Applied Mathematics and Statistics

Coursera - Machine Learning Specification Nov 2016 - Jan 2017
Udacity - Machine Learning Nanodegree Feb 2017 - Aug 2017

COURSEWORK

Software Engineering	Machine Learning	Computer Networks
Artificial Intelligence	Data Analysis	Computational Geometry
Data Visualization	Analysis of Algorithms	

SKILLS

Programming Languages:

Python*	Java*	JavaScript	Go	HTML*
CSS				

Tools:

TensorFlow*	Scikit-learn*	NumPy*	Pandas*	BeautifulSoup*
GraphLab	Jupyter Notebook*	Django	Spring MVC	Heroku
Git	Linux	PosgreSQL	Matplotlib	MATLAB

* Advanced Skills

PROJECTS

Sep 2017 - Present
Django web application | github.com/walter090/notitia
- Building an online publishing site with Django framework and PostgreSQL.
- Designing and implementing the front end with Javascript, HTML, and CSS.

Jun 2017 - Aug 2017
Image colorization with generative adversarial network | github.com/walter090/noir2color
- Implemented and trained a conditional generative adversarial network (CGAN) model to colorize grayscale images using TensorFlow.
- Acquired the dataset by scraping Getty and Google image search results with BeautifulSoup; preprocessed the data using Pillow and scikit-image.
- Generated photo realistic colorized images after training the model on the cloud.

Oct 2016 - Dec 2016
Data visualization | github.com/walter090/fires_plot_web | forest-fires.herokuapp.com
- Built a data visualization tool for the Montesinho natural park forest fires dataset using D3.js.
- Preprocessed the data with the help of Pandas and Numpy.
- Integrated the visualization tool with Django and deployed using Heroku.

Sep 2015 - Dec 2015
Java Spring Web Application | github.com/snowman090/TestingCenterScheduler
- Worked on a team of four on a Java web application for the Stony Brook Testing Center.
- Applied the MVC architecture and implemented using Java Spring MVC framework.
- Contributed to designing the relational database.

EXPERIENCE

Jun 2016 - Aug 2016
Data Intern at **Lightbeam Technologies** | Taizhou, China
- Helped designing and building a system that obtains and visualize data from emails.
- Parsed emails and web pages for data using BeautifulSoup and visualized the data using D3.js.
- Improved the process for email filtering and reduced the number of filtering errors.